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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Gerard Davison

Patent No.: 7,293,252 B2

Application No.: 10/673,330

Filed: September 30, 2003

Titled: IMPROVEMENTS TO USE CASE MODELLING

Certificate
MAR 18 2008
of Correction**REQUEST FOR CERTIFICATE OF CORRECTION**

Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

Attn: Certificate of Correction Branch

Dear Sir:

The Patentee respectfully requests the issuance of a Certificate of Correction under 37 CFR § 1.322 or § 1.323 in connection with the above-identified patent. The correction is listed on the attached Form PTO-1050. An explanation follows:

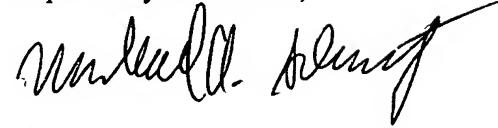
Title Page of the Letters Patent, section (54) Title of the Patent: please correct the Title of the Patent from "Case Modelling" to
 --Improvements To Use Case Modelling-- .

The correction is listed on the attached Form PTO-1050, submitted in duplicate. This change corrects the Title of the Patent on the Letters Patent. A copy of the Declaration and the front page of the Specification as filed on September 30, 2003 is attached.

No fees are believed to be due at this time. Should any fees be required, however, please charge such fee to Bingham McCutchen LLP Deposit Account No. 50-4047, Order No. 4191110123.

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Public Notice

Respectfully Submitted,



Michael A. Schwartz
Reg. No. 40,161

Dated: March 14, 2008

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US007293252B2

(12) **United States Patent**
Davison

(10) **Patent No.:** US 7,293,252 B2
(45) **Date of Patent:** Nov. 6, 2007

IMPROVEMENTS TO USE

(54) CASE MODELLING

(75) Inventor: Gerard Davison, Reading (GB)

(73) Assignee: Oracle International Corporation, Redwood Shores, CA (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 562 days.

(21) Appl. No.: 10/673,330

(22) Filed: Sep. 30, 2003

(65) Prior Publication Data

US 2005/0080785 A1 Apr. 14, 2005

(51) Int. Cl.

G06F 9/45 (2006.01)

(52) U.S. Cl. 717/104

(58) Field of Classification Search 717/104

See application file for complete search history.

(56) References Cited

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Suzuki et al. Managing the software design ACM, p. 127-136.*

* cited by examiner

Primary Examiner—John Chavis

(74) Attorney, Agent, or Firm—Bingham McCutchen LLP

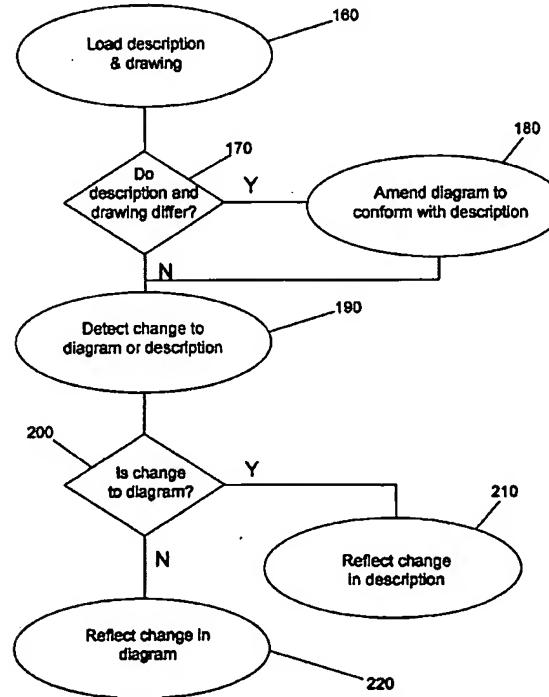
(57)

ABSTRACT

A computer implemented method for creating a use case description corresponding to a use case diagram for a process is described. The use case diagram comprises a plurality of entities wherein each entity belongs to one of a plurality of categories and is one of at least one pair of entities linked by a relationship. The method comprises retrieving a template for each entity, from a database of mark-up language templates, the database having a template for each category of entity; adapting each retrieved template such that it has a unique identifier and such that the retrieved template for at least one of each pair of related entities comprises data defining their relationship; and, storing the adapted template in a store, the stored adapted templates representing the use case description.

Methods for automatically generating a use case diagram from a use case description and for synchronising a use case diagram and description automatically are described.

16 Claims, 5 Drawing Sheets



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The Patent Office date stamp hereon acknowledges receipt of the below-identified documents:

Atty: Michael A. Schwartz Date: September 30, 2003

Atty Docket No.:

19111.0123

Priority Date:

Priority App. No.

Client Ref: OID-2003-105-

01

U.S. Application

Title: IMPROVEMENTS TO USE CASE MODELLING

Applicant(s): Gerard Davison

Specification: 16 pgs.

Abstract:

Claims: 15

Drawings 5 sheet(s)

Formal

122(b)(2)(B)(i) Cert

Executed Dec. & POA

Assignment with cover

Deposit Account

sheet

Authorization

Permit to File Abroad

Priority Doc.

IDS, 1449 Refs

Other: Utility Application Transmittal, Fee Transmittal

03914 U.S. PTO

10/673330



09/30/03

19111.0123-MAS
DOCKETED (cm 10/8/03)

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Docket No. _____

COMBINED DECLARATION AND POWER OF ATTORNEY FOR
ORIGINAL, DESIGN, NATIONAL STAGE OF PCT, SUPPLEMENTAL,
DIVISIONAL, CONTINUATION OR CONTINUATION-IN-PART APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

IMPROVEMENTS TO USE CASE MODELLING

the specification of which

- a. is attached hereto
- b. was filed on _____ as application Serial No. _____ and was amended on _____ (if applicable).
- c. was described and claimed in International Application No. _____ filed on _____ and as amended on _____. (if any).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56.

I hereby specify the following as the correspondence address to which all communications about this application are to be directed:

SEND CORRESPONDENCE TO:

Edward A. Pennington
SWIDLER BERLIN SHEREFF FRIEDMAN, L.L.P.
3000 K Street, N.W., Suite 300
Washington, D.C. 20007-5166

DIRECT TELEPHONE CALLS TO: Edward A. Pennington, 202-424-7500

I hereby claim foreign priority benefits under Title 35, United States Code § 119 (a)-(d) or under § 365(b) of any foreign application(s) for patent or inventor's certificate or under § 365(a) of any PCT international application(s) designating at least one country other than the U.S. listed below and also have identified below such foreign application(s) for patent or inventor's certificate or such PCT international application(s) filed by me on the same subject matter having a filing date within twelve (12) months before that of the application on which priority is claimed:

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The attached 35 U.S.C. § 119 claim for priority for the application(s) listed below forms a part of this declaration.

Country/PCT	Application Number	Date of Filing (day, month, yr)	Date of Issue (day, month, yr)	Priority Claimed
				Y N
				Y N
				Y N

I hereby claim the benefit under 35 U.S.C. § 119(e) of any U.S. provisional application(s) listed below.

Provisional Application No.

Date of filing (day, month, yr)

**ADDITIONAL STATEMENTS FOR DIVISIONAL, CONTINUATION OR CONTINUATION-IN-PART
OR PCT INTERNATIONAL APPLICATION(S DESIGNATING THE U.S.)**

I hereby claim the benefit under Title 35, United States Code § 120 of any United States application(s) or under § 365(c) of any PCT international application(s) designating the U.S. listed below.

US/PCT Application Serial No. Filing Date, Status (patented, pending, abandoned)/
U.S. application no. assigned (For PCT)

US/PCT Application Serial No. Filing Date, Status (patented, pending, abandoned)/
U.S. application no. assigned (For PCT)

In this continuation-in-part application, insofar as the subject matter of any of the claims of this application is not disclosed in the above listed prior United States or PCT international application(s) in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or Imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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I hereby appoint the following attorneys and/or agents with full power of substitution and revocation, to prosecute this application, to receive the patent, and to transact all business in the Patent and Trademark Office connected therewith: Edward A. Pennington (Reg. No. 32,588), John P. Moran (Reg. No. 30,906) Michael A. Schwartz (Reg. No. 40,161), Robert C. Bertin (Reg. No. 41,488), Alicia A. Meros (Reg. No. 44,937), Chadwick A. Jackson (Reg. No. 46,495), Edward J. Naidich (Reg. No. 43,826), and Sean O'Hanlon (Reg. No. P-47,252) of Swidler Berlin Shreff Friedman having an address of 3000 K Street, N.W., Suite 300, Washington, D.C. 20007-5116.

I hereby authorize the U.S. attorneys and/or agents named hereinabove to accept and follow instructions from _____ as to any action to be taken in the U.S. Patent and Trademark Office regarding this application without direct communication between the U.S. attorneys and/or agents and me. In the event of a change in the person(s) from whom instructions may be taken I will so notify the U.S. attorneys and/or agents named hereinabove.

Full name of sole or first inventor Gerard Davison

Inventor's signature* Genevieve M. Ullman 26th August 2003
date

Residence: 34 Swainstone Road, Reading, Berkshire, RG2 0DX, United Kingdom

Citizenship: British

Post Office Address: 34 Swainstone Road, Reading, Berkshire, RG2 0DX, United Kingdom

date

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For publication

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IMPROVEMENTS TO USE CASE MODELLING

This invention relates to the automatic synchronisation of a use case diagram with a use case description.

Use case modelling is an important technique included within the unified modelling language (UML). It is used to describe and define the requirements regarding how a user interacts with a computer system in order to perform a process. A use case model comprises a use case diagram and a use case description.

The use case diagram identifies the functionality provided by the process and the users who interact with the process and the association between the users, known as actors, and the functional entities, known as use cases, of the process. Associated with the use case diagram, the use case description describes the series of actions required to achieve the functionality. Typically, the use case description may comprise a paragraph describing the sequence of activities in each use case or, it may comprise a template, such as that described "Writing Effective Use Cases" by Alistair Cockburn published by Addison Wesley in 2000, for each use case.

However, a problem exists since it is necessary to generate the use case diagram and use case description separately. Thus, any amendments made to either the use case diagram and use case description must be reflected in the other. Many users of the technique find this irritating and hence, often abandon the use case diagram in favour of the use case description only since the use case diagram represents a subset of the content of the use case description. This is particularly disadvantageous since the use case diagram can convey the relationships between the use cases more readily.

In accordance with one aspect of the present invention, there is provided a computer implemented method for creating a use case description corresponding to a use

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO : 7,293,252 B2

DATED : November 6, 2007

INVENTOR(S) : Gerard Davison, Berkshire, United Kingdom

It is certified that error appears in the above-identified patent and that said Letters

Title Page, Section (54) Title of the Patent: "Case Modelling" should read --Improvements To Use
Case Modelling --.

Patent are hereby corrected as shown below:

MAILING ADDRESS OF SENDER:

Edward A. Pennington
Bingham McCutchen LLP
2020 K Street, N.W.
Washington, D.C. 20006PATENT NO. 7,293,252 B2

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